

## INTERNATIONAL SEARCH REPORT

International application No. PCT/AU2003/001519

<b>A.</b> .	CLASSIFICATION OF SUBJECT MATTER								
Int. Cl. 7:	E04C 3/29, 5/07								
According to 1	international Patent Classification (IPC) or to both	national classification and IPC							
	FIELDS SEARCHED								
Minimum docu	mentation searched (classification system followed by o	classification symbols)							
		tent that such documents are included in the fields searched	1						
DWPI IPC E	ket, fibr fibe filament, resin poly vinyl epoxy	f data base and, where practicable, search terms used) metal, rod bar rebar cabl reinforc core, tub cylir , fill inner interior inside center centr core, hybr	nd sheath id fiber fibr						
C.	DOCUMENTS CONSIDERED TO BE RELEVAN	· ·							
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.						
A	US 4265981 A (CAMPBELL) 5 May 1981 column 4, lines 5-10 Fig. 4								
A	Derwent Abstract Accession No. 53622C/31, Class A93, P64, Q44 DE 2902296 A (FOCKE) 24 July 1980								
Æ	Derwent Abstract Accession No. 87-311165/44, Class P73, JP 62-220637 A (SUMITOMO ELEC IND KK) 28 September 1987								
X F	Further documents are listed in the continuation	on of Box C X See patent family annex	ζ						
"A" docum which relevar "E" earlier	l categories of cited documents: ent defining the general state of the art is not considered to be of particular nce application or patent but published on or it international filing date	ter document published after the international filing date or priority date d not in conflict with the application but cited to understand the principle theory underlying the invention accument of particular relevance; the claimed invention cannot be insidered novel or cannot be considered to involve an inventive step							
"L" docum	ent which may throw doubts on priority "Y" s) or which is cited to establish the ation date of another citation or other special (as specified)	nen the document is taken alone current of particular relevance; the claimed invention cannot be insidered to involve an inventive step when the document is combined the one or more other such documents, such combination being obvious to person skilled in the art							
"O" docum exhibit "P" docum	nent referring to an oral disclosure, use, "&" tion or other means tent published prior to the international filing that later than the priority date claimed	document member of the same patent family							
	tual completion of the international search	Date of mailing of the international search report 2	8 JAN 2004						
21 January Name and mai	iling address of the ISA/AU	Authorized officer							
AUSTRALIA	N PATENT OFFICE								
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International application No. PCT/AU2003/001519

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT								
Category*	Citation of document, with indication, where appropriate, of the relevant passages							
Α .	VAN ERP, G.M. (1999) "A new type of carbon fibre reinforced composite beam for civil engineering applications", Proceedings of the 1 <sup>st</sup> ACUN International Composites Conference (Australia-Canada-USA-New Zealand), pages 23-26							
A	VAN ERP, G.M. (1999) "A new fibre composite beam - an experimental study of the structural behaviour", 16 <sup>th</sup> Australasian Conference on the Mechanics of Structures and Materials, pages 487-492							
A	VAN ERP G.M. (1999) "A new fibre composite beam for civil engineering applications", Composites Fabrication, July, pages 30-31							
A	AYERS, S.R. et al (2000) "Development of a new core material for composites in primary structural applications", Proceedings of the 2 <sup>nd</sup> ACUN International Composites Meeting (Australia-Canada-USA-New Zealand), pages 247-252							
A	VAN ERP G.M. et al (2000) "Particulate filled resin core materials for fibre composites in civil engineering applications", Materials Australia Vol. 32 No. 1, pages 17-20							
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2003/001519

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
US	4265981	AU	35906/78	CA	1110813	DE	2821419
		FR	2391067	GB	1595358	SE	7805542
DE	2902296	NONE					
JP	62220637	NONE	•				
	V2220031						
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